This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for estimating the weight of a horse, comprising:

   a. measuring a girth, a length and a height of the horse; and

   b. determining an estimated weight of the horse based on a mathematical formula including the girth, the length and the height of the horse, wherein at least two of the girth, the length and the height in the mathematical formula have a different significance in the mathematical formula.

2. (Original) The method of claim 1, wherein in step (b) the estimated weight of the horse is determined utilizing the following mathematical formula

   Weight Estimate = $k1 \times Girth^{x1} \times Height^{x2} \times Length^{x3}$

   where k1 is a constant and, x1, x2 and x3 are exponents.

3. (Original) The method of claim 2, wherein x1, x2 and x3 are unique.

4. (Original) The method of claim 2, wherein k1 is about .003591, x1 is about 1.638339, x2 is about .948065 and x3 is about .397592.

5. (Original) The method of claim 1, wherein in step (b) the estimated weight of the horse is determined utilizing the following mathematical formula

Weight Estimate = k2 X (Girth X f1 + Height X f2 X Length X f3)^{x4}

where k2 is a constant, f1, f2 , and f3 are factors and x4 is an exponent.

6. (Original) The method of claim 5, wherein k2, f1, f2, f3 and x4 are unique.

7. (Original) The method of claim 5, wherein k2 is about .003633, f1 is about .56, f2 is about .31, f3 is about .13 and x4 is about 2.978070.

8. (Currently Amended) A method for estimating the weight of a horse, comprising:

a. receiving a measured girth of the horse;

b. receiving a measured height of the horse;

c. receiving a measured length of the horse;

d. determining an estimated weight of the horse based on a mathematical formula including the measured girth, the measured length and the measured height of the horse, wherein at least two of the measured girth, the measured length and the measured height in the mathematical formula have a different significance in the mathematical formula; and

e. outputting the estimated weight of the horse.

9. (Currently Amended) The method of claim 8, wherein in step ~~(b)~~ (d) the weight of the horse is estimated utilizing the following mathematical formula

Weight Estimate = k1 X Girth^{x1} X Height^{x2} X Length^{x3}

where k1 is a constant, and x1, x2 and x3 are exponents.

10. (Original) The method of claim 9, wherein x1, x2 and x3 are unique.

11. (Original) The method of claim 9, wherein k1 is about .003591, x1 is about 1.638339, x2 is about .948065 and x3 is about .397592.

12. (Currently Amended) The method of claim ~~9~~ 8, wherein in step ~~(b)~~ (d) the estimated weight of the horse is determined utilizing the following mathematical formula

Weight Estimate = k2 X (Girth X f1 + Height X f2 X Length X f3)^{x4}

where k2 is a constant, f1, f2, and f3 are factors and x4 is an exponent.

13. (Original) The method of claim 12, wherein k2, f1, f2, f3 and x4 are unique.

14. (Original) The method of claim 12, wherein k2 is about .003633, f1 is about .56, f2 is about .31, f3 is about .13 and x4 is about 2.978070.

15. (Currently Amended) An apparatus for estimating the weight of a horse, comprising:

an input unit adapted to receive a measured height, a measured girth and a measured length of the horse;

a storage unit storing weight estimation logic adapted to estimate the weight of the horse based on a mathematical formula including the measured height, the measured girth and the measured length of the horse, wherein at least two of the measured height, the measured girth and the measured length in the mathematical formula have a different significance in the mathematical formula; and

a computer unit receiving the measured height, the measured girth and the measured length of the horse and executing the weight estimation logic to determine an estimated weight of the horse based on the measured girth, the measured length and the measured height of the horse; and

an output unit outputting, in a format perceivable by an individual, the estimated weight of the horse.

16. (Original) The apparatus of claim 15, wherein the weight estimation logic determines the estimated weight of the horse based on the following mathematical formula

Weight Estimate = $k1 \times Girth^{x1} \times Height^{x2} \times Length^{x3}$

where k1 is a constant, and x1, x2 and x3 are exponents.

17. (Original) The apparatus of claim 16, wherein x1, x2 and x3 are unique.

18. (Original) The apparatus of claim 16, wherein k1 is about .003591, x1 is about 1.638339, x2 is about .948065 and x3 is about .397592.

19. (Original) The apparatus of claim 15, wherein the weight estimation logic determines the estimated weight of the horse based on the following mathematical formula

Weight Estimate = k2 X (Girth X f1 + Height X f2 X Length X f3)^{x4}

where k2 is a constant, f1, f2, f3 are factors and x4 is an exponent.

20. (Original) The apparatus of claim 19, wherein k2, f1, f2, f3 and x4 are unique.

21. (Original) The apparatus of claim 19, wherein k2 is about .003633, f1 is about .56, f2 is about .31, f3 is about .13 and x4 is about 2.978070.

22. (Currently Amended) A software program capable of running on a computer for estimating the weight of a horse, comprising:

a storage unit storing:

input logic adapted to receive a measured height, a measured girth and a measured length of the horse;

weight estimation logic for determining an estimated weight of the horse based on a mathematical formula including the measured height, the measured girth and the measured length of the horse, wherein at least two of the measured height, the measured girth and the measured length in the mathematical formula have a different significance in the mathematical formula; and

output logic for receiving the estimated weight of the horse and outputting the estimated weight of the horse.

23. (Original) The software program of claim 22, wherein the weight estimation logic determines the estimated weight of the horse based on the following mathematical formula

Weight Estimate = k1 X Girth^{x1} X Height^{x2} X Length^{x3}

where k1 is a constant, and x1, x2 and x3 are exponents.

24. (Original) The software program of claim 23, wherein x1, x2 and x3 are unique.

25. (Original) The software program of claim 23, wherein k1 is about .003591, x1 is about 1.638339, x2 is about .948065 and x3 is about .397592.

26. (Original) The software program of claim 22, wherein the weight estimation logic determines the estimated weight of the horse based on the following mathematical formula

Weight Estimate = k2 X (Girth X f1 + Height X f2 X Length X f3)^{x4}

where k2 is a constant, f1, f2, f3 are factors and x4 is an exponent.

27. (Original) The software program of claim 26, wherein k2, f1, f2, f3 and x4 are unique.

28. (Original) The software program of claim 26, wherein k2 is about .003633, f1 is about .56, f2 is about .31, f3 is about .13 and x4 is about 2.978070.

29. (Currently Amended) A method for estimating the weight of a horse, comprising:

a. measuring a girth, and a height of the horse; and

b. determining an estimated weight of the horse based on a mathematical formula including the girth, and the height of the horse, wherein the girth and the height in the mathematical formula have a distinct significance in the mathematical formula.

30. (Original) The method of claim 29, wherein in step (b) the estimated weight of the horse is determined by the following mathematical formula

Estimated Weight = K3 x Girth^{x5} x Height^{x6}

wherein K3 is a constant and x5 and x6 are exponents.

31. (Original) The method of claim 30, wherein k3 is about .003538, x5 is about 1.989527, and x6 is about 1.004088.

32. (Original) The method of claim 29, wherein in step (b) the estimated weight of the horse is determined by the following mathematical formula:

Estimated Weight = K4 x (Girth x f4 + Height x f5)^{x7}

where K4 is a constant, f4 and f5 are factors, and x7 is an exponent.

33. (Original) The method of claim 32, wherein k4 is about .003479, f4 is about .63, f5 is about .37 and x7 is about 2.999198.

34. (Currently Amended) A method for estimating the weight of a horse, comprising:

a. receiving a measured girth of the horse;

b. receiving a measured height of the horse;

c. determining an estimated weight of the horse based on a mathematical formula including the measured girth, and the measured height of the horse, wherein the measured girth and the measured height in the

mathematical formula have a distinct significance in the mathematical formula; and

d. outputting the estimated weight of the horse.

35. (Original) The method of claim 34, wherein in step (c) the estimated weight of the horse is determined by the following mathematical formula

Estimated Weight = K3 x Girth^{x5} x Height^{x6}

wherein K3 is a constant and x5 and x6 are exponents.

36. (Original) The method of claim 35, wherein k3 is about .003538, x5 is about 1.989527, and x6 is about 1.004088.

37. (Original) The method of claim 34, wherein in step (c) the estimated weight of the horse is determined by the following mathematical formula:

Estimated Weight = K4 x (Girth x f4 + Height x f5)^{x7}

where K4 is a constant, f4 and f5 are factors, and x7 is an exponent.

38. (Original) The method of claim 37, wherein k4 is about .003479, f4 is about .63, f5 is about .37 and x7 is about 2.999198.

39. (Currently Amended) An apparatus for estimating the weight of a horse, comprising:

an input unit adapted to receive a measured girth and a measured height of the horse;

a storage unit storing weight estimation logic adapted to estimate the weight of the horse based on a mathematical formula including the measured height, and the measured girth of the horse, wherein the measured height and the measured girth in the mathematical formula have a distinct significance in the mathematical formula; and

a computer unit receiving the measured height, and the measured girth of the horse and executing the weight estimation logic to determine an estimated weight of the horse based on the measured girth, and the measured height of the horse; and

an output unit outputting the estimated weight of the horse.

40. (Original) The apparatus of claim 39, wherein the weight estimation logic determines the estimated weight of the horse with the following mathematical formula

Estimated Weight = $K3 \times Girth^{x5} \times Height^{x6}$

wherein K3 is a constant and x5 and x6 are exponents.

41. (Original) The method of claim 40, wherein k3 is about .003538, x5 is about 1.989527, and x6 is about 1.004088.

42. (Original) The apparatus of claim 39, wherein the weight estimation logic determines the estimated weight of the horse with the following mathematical formula:

Estimated Weight = K4 x (Girth x f4 + Height x f5)^{x7}

where K4 is a constant, f4 and f5 are factors, and x7 is an exponent.

43. (Original) The apparatus of claim 42, wherein k4 is about .003479, f4 is about .63, f5 is about .37 and x7 is about 2.999198.

44. (Currently Amended) A software program capable of running on a computer for estimating the weight of a horse, comprising:

a storage unit storing:

input logic adapted to receive a measured height, and a measured girth of the horse;

weight estimation logic for determining an estimated weight of the horse based on a mathematical formula including the measured height, and the measured girth, wherein the measured height and the

measured girth in the mathematical formula have a distinct significance in the mathematical formula; and

output logic for outputting the estimated weight of the horse.

45. (Original) The software program of claim 44, wherein the weight estimation logic determines the estimated weight of the horse with the following mathematical formula

Estimated Weight = K3 x Girth^{x5} x Height^{x6}

wherein K3 is a constant and x5 and x6 are exponents.

46. (Original) The software program of claim 45, wherein k3 is about .003538, x5 is about 1.989527, and x6 is about 1.004088.

47. (Original) The software program of claim 44, wherein the weight estimation logic determines the estimated weight of the horse with the following mathematical formula:

Estimated Weight = K4 x (Girth x f4 + Height x f5)^{x7}

where K4 is a constant, f4 and f5 are factors, and x7 is an exponent.

48. (Currently Amended) ~~The~~ The software program of claim 47, wherein k4 is about .003479, f4 is about .63, f5 is about .37 and x7 is about 2.999198.